

CHAPTER V

CONCLUSION AND RECOMMENDATION

A. Conclusion

The research about the effect of Contextual Teaching towards students' critical thinking and concept comprehension has been conducted systematically. Based on the result of the research it can be concluded that the implementation of contextual teaching towards students' critical thinking and concept comprehension can be seen below:

- a. The profile of students' critical thinking based on the observational sheet results which is 56% of students can explore their critical thinking through Contextual Teaching. The critical thinking of students shows a positive impact to the result of Contextual Teaching in term of visualization and audiolization.
- b. Average of students' critical thinking skill result is in the high improvement. The high categories are in identify conclusion, ability to give reason, concept application, and consider of alternative solution while improvement the indicator of identified and formulated criteria of possibility answer, use procedure, and hypothesis are in the medium category
- c. The implementation of Contextual Teaching can improve students' concept comprehension, it can be noticed by processing the differences between pretest and posttest score. The differences score of pretest and posttest can be seen by calculate normalized gain which is 0,30 which include as medium category. There is a significant effect of Contextual Teaching towards students' concept comprehension.
- d. Based on the coefficient determination can be shown that 9% of concept comprehension can be explained by critical thinking, meaning that the rest or 91% of concept comprehension can be explained by the other things..

- e. The respond of students towards the implementation of Contextual Teaching shows the positive respond. Based on the indicator the majority of students like changes of matter concept, Contextual Teaching and critical thinking through Contextual Teaching.

B. Rekomendation

There are some rekomendasi based on the finding of the research that has been conducted and the consideration that implementation is still need to be improve. The rekomendasi and suggestion that necessary to be conveyed by the researchers are:

1. Before designing the instrument to measure the critical thinking, the analysis of the indicator based on the expert has to be more spesific so it can be appropriate to concept.
2. Realizing Contextual Teaching in the class takes time, considering the time management is a must.
3. Analizing students' ability before making a group should be done. Considering that heterogen of students' ability in every group can improve students result.